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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09 681,907	06 22 2001	Alfredo J. Teran	1321.28	3508

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EXAMINER

LITHGOW, THOMAS M

ART UNIT	PAPER NUMBER
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1724

DATE MAILED: 06/17/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/681907

Applicant(s)

Teren et al

Examiner

Lithgow

Group Art Unit

1724

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- ☐ Responsive to communication(s) filed on _____.
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 1 - 15 is/are pending in the application.
- ☐ Of the above claim(s) _____ is/are withdrawn from consideration.
- ☐ Claim(s) _____ is/are allowed.
- ☒ Claim(s) 1 - 15 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claim(s) _____ are subject to restriction or election requirement.

Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
 - ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.
 - ☐ received in Application No. (Series Code/Serial Number) _____.
 - ☐ received in this national stage application from the International Bureau (PCT Rule 1.7.2(a)).
- *Certified copies not received: _____

Attachment(s)

- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s) 5
- ☒ Notice of Reference(s) Cited, PTO-892
- Notice of Draftsperson's Patent Drawing Review, PTO-948
- Interview Summary, PTO-413
- Notice of Informal Patent Application, PTO-152
- Other _____

Office Action Summary

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Applicant's traversal is noted and the restriction is withdrawn. Action on the merits are as follows.

Claims 1-5, 8, 9, 11 and 15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The preamble of the claims recites "rinse water" yet the body of the claim refers to "waste water". Clarification is requested.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Capehart (5,547,584).

Capehart ('584) discloses a process for ozonizing including a preseparator (8), a tank (10), and an ozone system 150 and recirculate lines 314, 303 which circulate water from tank (10) to the ozone system for contacting until the desired ORP is achieved (see col. 9, lines 2+).

Claims 7-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mannilo (5787537) in view of Capehart (3547584).

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Mannilo ('537) treats wastewater in which the wastewater is screened at 20, subjected to aeration flotation at 100, and then sent to a tank (210) which circulates water through an Ozone generator - treatment (see 230). The sterilized water is filtered and reused or discharged.

Mannilo's ozonation treatment is to oxidize organics from the water (col. 11, lines 60+) as is Capeharts (col. 8, lines 62+). Capehart teaches that one may beneficially control the ozonation by measuring the ORP until a desired level is reached before continued processing of the water. To so modify Mannilo with such a benefit would result in a water product having less organicist therein. To so modify Mannilo would have been obvious to one of ordinary skill in the art.

Any inquiry concerning this communication should be directed to Thomas M. Lithgow at telephone number (703) 308-0173.

Lithgow/LR

June 12, 2002



THOMAS M. LITHGOW
PATENT EXAMINER
GROUP 1700